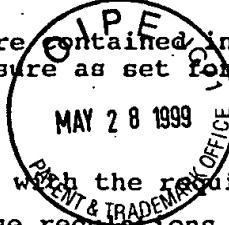


08/823999

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 CFR 1.821 - 1.825 for the following reason(s):



- ☒ 1. This application clearly fails to comply with the requirements of 37 CFR 1.821 - 1.825. Applicant's attention is directed to these regulations, published at 1114 OG 29, May 15, 1990 and at 55 FR 18230, May 1, 1990.
- ☒ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 CFR 1.821(c).
- ☒ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 CFR 1.821(e).
- ☐ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A substitute computer readable form must be submitted as required by 37 CFR 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable form of the "Sequence Listing" as required by 37 CFR 1.821(e).
- ☐ 7.

Other: \_\_\_\_\_

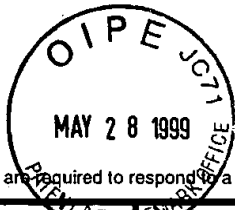
**Applicant must provide:**

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing"
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d)

For questions regarding compliance with these requirements, please contact:

For Rules Interpretation, call (703) 308-1123  
For CRF submission help, call (703) 308-4212  
For PatentIn software help, call (703) 557-0400

Please return a copy of this notice with your response.



W.D. # GAU 1644  
+ box 509

Approved for use through 09/30/2000. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
a collection of information unless it displays a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 1999

Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.

TOTAL AMOUNT OF PAYMENT (\$ 870.00

Complete if Known

Application Number 08/823,999  
Filing Date 3/25/97  
First Named Inventor Elazar R. Edelman  
Examiner Name P. Gambel  
Group / Art Unit 1644  
Attorney Docket No. MIT 7501

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																											
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number 01-2507</p> <p>Deposit Account Name Arnall Golden &amp; Gregory, LLP</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p>2. <input type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>		<p>3. ADDITIONAL FEES</p> <table border="1"><thead><tr><th>Large Entity Fee Code (\$)</th><th>Small Entity Fee Code (\$)</th><th>Fee Description</th></tr></thead><tbody><tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td></tr><tr><td>127 50</td><td>227 25</td><td>Surcharge - late provisional filing fee or cover sheet.</td></tr><tr><td>139 130</td><td>139 130</td><td>Non-English specification</td></tr><tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for reexamination</td></tr><tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td></tr><tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td></tr><tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td></tr><tr><td>116 380</td><td>216 190</td><td>Extension for reply within second month</td></tr><tr><td>117 870</td><td>217 435</td><td>Extension for reply within third month</td></tr><tr><td>118 1,360</td><td>218 680</td><td>Extension for reply within fourth month</td></tr><tr><td>128 1,850</td><td>228 925</td><td>Extension for reply within fifth month</td></tr><tr><td>119 300</td><td>219 150</td><td>Notice of Appeal</td></tr><tr><td>120 300</td><td>220 150</td><td>Filing a brief in support of an appeal</td></tr><tr><td>121 260</td><td>221 130</td><td>Request for oral hearing</td></tr><tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td></tr><tr><td>140 110</td><td>240 55</td><td>Petition to revive - unavoidable</td></tr><tr><td>141 1,210</td><td>241 605</td><td>Petition to revive - unintentional</td></tr><tr><td>142 1,210</td><td>242 605</td><td>Utility issue fee (or reissue)</td></tr><tr><td>143 430</td><td>243 215</td><td>Design issue fee</td></tr><tr><td>144 580</td><td>244 290</td><td>Plant issue fee</td></tr><tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td></tr><tr><td>123 50</td><td>123 50</td><td>Petitions related to provisional applications</td></tr><tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Stmt</td></tr><tr><td>581 40</td><td>581 40</td><td>Recording each patent assignment per property (times number of properties)</td></tr><tr><td>146 760</td><td>246 380</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td></tr><tr><td>149 760</td><td>249 380</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td></tr><tr><td colspan="2">Other fee (specify) _____</td><td></td></tr><tr><td colspan="2">Other fee (specify) _____</td><td></td></tr><tr><td colspan="2">SUBTOTAL (3) (\$ 870.00</td><td></td></tr></tbody></table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	105 130	205 65	Surcharge - late filing fee or oath	127 50	227 25	Surcharge - late provisional filing fee or cover sheet.	139 130	139 130	Non-English specification	147 2,520	147 2,520	For filing a request for reexamination	112 920*	112 920*	Requesting publication of SIR prior to Examiner action	113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	115 110	215 55	Extension for reply within first month	116 380	216 190	Extension for reply within second month	117 870	217 435	Extension for reply within third month	118 1,360	218 680	Extension for reply within fourth month	128 1,850	228 925	Extension for reply within fifth month	119 300	219 150	Notice of Appeal	120 300	220 150	Filing a brief in support of an appeal	121 260	221 130	Request for oral hearing	138 1,510	138 1,510	Petition to institute a public use proceeding	140 110	240 55	Petition to revive - unavoidable	141 1,210	241 605	Petition to revive - unintentional	142 1,210	242 605	Utility issue fee (or reissue)	143 430	243 215	Design issue fee	144 580	244 290	Plant issue fee	122 130	122 130	Petitions to the Commissioner	123 50	123 50	Petitions related to provisional applications	126 240	126 240	Submission of Information Disclosure Stmt	581 40	581 40	Recording each patent assignment per property (times number of properties)	146 760	246 380	Filing a submission after final rejection (37 CFR 1.129(a))	149 760	249 380	For each additional invention to be examined (37 CFR 1.129(b))	Other fee (specify) _____			Other fee (specify) _____			SUBTOTAL (3) (\$ 870.00		
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description																																																																																											
105 130	205 65	Surcharge - late filing fee or oath																																																																																											
127 50	227 25	Surcharge - late provisional filing fee or cover sheet.																																																																																											
139 130	139 130	Non-English specification																																																																																											
147 2,520	147 2,520	For filing a request for reexamination																																																																																											
112 920*	112 920*	Requesting publication of SIR prior to Examiner action																																																																																											
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action																																																																																											
115 110	215 55	Extension for reply within first month																																																																																											
116 380	216 190	Extension for reply within second month																																																																																											
117 870	217 435	Extension for reply within third month																																																																																											
118 1,360	218 680	Extension for reply within fourth month																																																																																											
128 1,850	228 925	Extension for reply within fifth month																																																																																											
119 300	219 150	Notice of Appeal																																																																																											
120 300	220 150	Filing a brief in support of an appeal																																																																																											
121 260	221 130	Request for oral hearing																																																																																											
138 1,510	138 1,510	Petition to institute a public use proceeding																																																																																											
140 110	240 55	Petition to revive - unavoidable																																																																																											
141 1,210	241 605	Petition to revive - unintentional																																																																																											
142 1,210	242 605	Utility issue fee (or reissue)																																																																																											
143 430	243 215	Design issue fee																																																																																											
144 580	244 290	Plant issue fee																																																																																											
122 130	122 130	Petitions to the Commissioner																																																																																											
123 50	123 50	Petitions related to provisional applications																																																																																											
126 240	126 240	Submission of Information Disclosure Stmt																																																																																											
581 40	581 40	Recording each patent assignment per property (times number of properties)																																																																																											
146 760	246 380	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																											
149 760	249 380	For each additional invention to be examined (37 CFR 1.129(b))																																																																																											
Other fee (specify) _____																																																																																													
Other fee (specify) _____																																																																																													
SUBTOTAL (3) (\$ 870.00																																																																																													
<p>1. BASIC FILING FEE</p> <table border="1"><thead><tr><th>Large Entity Fee Code (\$)</th><th>Small Entity Fee Code (\$)</th><th>Fee Description</th><th>Fee Paid</th></tr></thead><tbody><tr><td>101 760</td><td>201 380</td><td>Utility filing fee</td><td></td></tr><tr><td>106 310</td><td>206 155</td><td>Design filing fee</td><td></td></tr><tr><td>107 480</td><td>207 240</td><td>Plant filing fee</td><td></td></tr><tr><td>108 760</td><td>208 380</td><td>Reissue filing fee</td><td></td></tr><tr><td>114 150</td><td>214 75</td><td>Provisional filing fee</td><td></td></tr><tr><td colspan="4">SUBTOTAL (1) (\$ )</td></tr></tbody></table> <p>2. EXTRA CLAIM FEES</p> <table border="1"><thead><tr><th>Large Entity Fee Code (\$)</th><th>Small Entity Fee Code (\$)</th><th>Fee Description</th></tr></thead><tbody><tr><td>103 18</td><td>203 9</td><td>Claims in excess of 20</td></tr><tr><td>102 78</td><td>202 39</td><td>Independent claims in excess of 3</td></tr><tr><td>104 260</td><td>204 130</td><td>Multiple dependent claim, if not paid</td></tr><tr><td>109 78</td><td>209 39</td><td>** Reissue independent claims over original patent</td></tr><tr><td>110 18</td><td>210 9</td><td>** Reissue claims in excess of 20 and over original patent</td></tr><tr><td colspan="3">SUBTOTAL (2) (\$ -0-</td></tr></tbody></table>		Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	101 760	201 380	Utility filing fee		106 310	206 155	Design filing fee		107 480	207 240	Plant filing fee		108 760	208 380	Reissue filing fee		114 150	214 75	Provisional filing fee		SUBTOTAL (1) (\$ )				Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	103 18	203 9	Claims in excess of 20	102 78	202 39	Independent claims in excess of 3	104 260	204 130	Multiple dependent claim, if not paid	109 78	209 39	** Reissue independent claims over original patent	110 18	210 9	** Reissue claims in excess of 20 and over original patent	SUBTOTAL (2) (\$ -0-			<p>Fee from below</p> <p>Fee Paid</p> <p>Extra Claims</p> <p>Total Claims 12 .20 = 0 X = 0</p> <p>Independent Claims 1 3 = 0 X = 0</p> <p>Multiple Dependent</p> <p>**or number previously paid, if greater; For Reissues, see below</p>																																										
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																										
101 760	201 380	Utility filing fee																																																																																											
106 310	206 155	Design filing fee																																																																																											
107 480	207 240	Plant filing fee																																																																																											
108 760	208 380	Reissue filing fee																																																																																											
114 150	214 75	Provisional filing fee																																																																																											
SUBTOTAL (1) (\$ )																																																																																													
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description																																																																																											
103 18	203 9	Claims in excess of 20																																																																																											
102 78	202 39	Independent claims in excess of 3																																																																																											
104 260	204 130	Multiple dependent claim, if not paid																																																																																											
109 78	209 39	** Reissue independent claims over original patent																																																																																											
110 18	210 9	** Reissue claims in excess of 20 and over original patent																																																																																											
SUBTOTAL (2) (\$ -0-																																																																																													

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Patrea L. Pabst	Reg. Number	31,284
Signature		Deposit Account User ID	01-2507
Date	05/24/99		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.